





## WHAT IS CLAIMED IS:

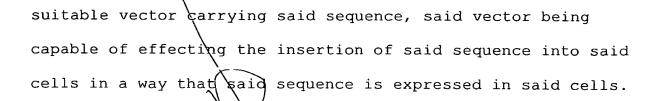
- 1. A DNA molecule comprising:
- (1) a DNA sequence which encodes the MORT-1 protein, having the amino acid sequence of SEQ ID NO:2;
- (2) a DNA sequence which encodes an analog of said MORT-1 protein which binds with the intracellular domain of the FAS ligand receptor (FAS-IC), which DNA sequence is capable of hybridization to the cDNA encoding SEQ ID NO:2 under moderately stringent conditions; or
- (3) a DNA coding sequence consisting of a DNA sequence which encodes a fragment of said MORT-1 protein which binds with FAS-IC.
- 2. A DNA molecule in accordance with claim 1, comprising a DNA sequence encoding an analog of said MORT-1 protein which binds with FAS-IC, which DNA sequence is capable of hybridization to the cDNA encoding SEQ ID NO:2 under moderately stringent conditions.
- 3. A vector comprising a  $\mathbb{N}A$  sequence according to claim 1.
- 4. A vector according to claim 3 which is capable of being expressed in a eukaryotic host cell.





- 5. A vector according to claim 3 which is capable of being expressed in a prokaryotic host cell.
- 6. Transformed enkaryotic or prokaryotic host cells containing a vector according to claim 3.
- 7. A method for producing a polypeptide which binds to the intracellular domain of the FAS-R, comprising growing the transformed host cells according to claim 6 under conditions suitable for the expression of an expression product from said cells, effecting post-translational modifications of said expression product as necessary for obtention of said polypeptide, and isolating said expressed polypeptide.
  - 8. A polypeptide comprising:
- (1) the MORT-1 protein having the amino acid sequence of SEQ ID NO:2 $\chi$
- (2) an analog of said MORT-1 protein which binds with the intracellular domain of the FAS ligand receptor (FAS-IC), which analog is encoded by a DNA sequence which is capable of hybridization to the cDNA encoding SEQ ID NO:2 under moderately stringent conditions; or
- (3) a fragment of said MORT-1 protein which binds with FAS-IC.

- 9. A polypeptide in accordance with claim 8, comprising an analog of said MORT-1 protein which binds with FAS-IC, which analog is encoded by a DNA sequence capable of hybridization to the cDNA encoding SEQ ID NO:2 under moderately stringent conditions.
- 10. A pharmaceutical composition for the modulation of the FAS-R ligand-effect on cells comprising, as active ingredient, a polypept de according to claim 8.
- 11. A pharmaceutical composition for modulating the FAS-R ligand-effect on cells comprising, as active ingredient, a recombinant animal virus vector encoding a protein capable of binding a cell surface receptor and encoding a polypeptide according to claim 8.
- effect on cells carrying a FAS-R, comprising treating said cells with one or more polypeptides according to claim 8, capable of binding to the intracellular domain and modulating the activity of said FAS-R, wherein said treating of said cells comprises introducing into said cells said one or more polypeptides in a form suitable for intracellular introduction thereof, or introducing into said cells a DNA sequence encoding said one or more polypeptides in the form of a



13. A method for modulation of the FAS-R ligandeffect on cells according to claim 12, comprising treating said cells with a single said polypeptide.

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